



FEMA

Disclaimer: The purpose of this briefing is to provide a ***Regional*** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information. To find your local NWS forecast office, go to <http://www.srh.noaa.gov> and click on the "Weather Forecast Offices" tab and click on the map for your area.

FEMA Region 6 Weather Threat Briefing

Sunday, August 23, 2015

Issued: 0800 CT

Day 1 Hazards: Heavy rainfall and isolated flash flooding over eastern Oklahoma/western AR

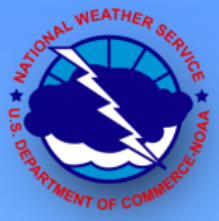
National Weather Service

Southern Region Headquarters
Regional Operations Center
Fort Worth, TX



Prepared by: Mark Wiley
817-978-1100 x 147

Key Points



Sunday

- Heavy rainfall over eastern OK/western AR may lead to isolated areas of flash flooding today.

Monday - Thursday

- No Significant Weather Impacts






Tropical Outlook

- Danny has weakened to a tropical storm as it approaches the Leeward Islands. Further decrease in strength expected and should be a depression by tomorrow. No impacts to FEMA 6
- Disorganized showers and thunderstorms are associated with a low pressure area located about 500 miles west of the Cape Verde Islands. A tropical depression is likely to form by mid-week while the wave moves quickly westward at around 20 mph. By late this week, atmosphere could become less favorable for tropical cyclone formation.
- Formation chance through 48 hours...medium...50 percent
- Formation chance through 5 days...high...70 percent
- Another tropical wave is expected to move off of the west coast of Africa later today. Some development of this system this week possible while this disturbance moves westward over the eastern tropical Atlantic Ocean at 15 to 20 mph.
- Formation chance through 48 hours...low...10 percent
- Formation chance through 5 days...medium...40 percent

*FEMA Region 6 Threat Matrix

Aug 23, 2015 - Aug 27, 2015

DAY/ THREAT	SAT	SUN	MON	TUE	WED
Severe Weather					
Heavy Rain / Flash Flooding	E OK/W AR				
Heat					
Tropical					
Fire					

	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

We continue to welcome feedback on our new color scale (details in the next slide). Please send comments to sr-srh.roc@noaa.gov.

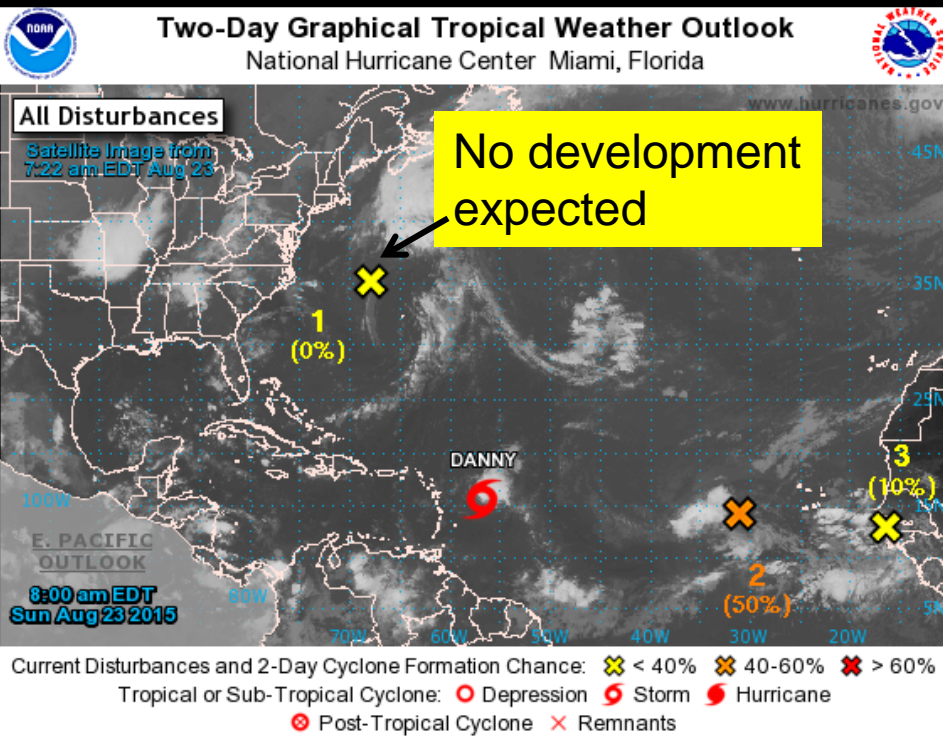


The criteria for the color codes in our briefings is below, please provide any feedback to sr-srh.roc@noaa.gov.



Weather "Threat" Matrix			
Color	Definition	Criteria	Example(s)
Green	Very Common Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX
Yellow	Somewhat Common – Happens Frequently Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> 2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1" hail
Orange	Uncommon – A Few Times a Year Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail Some large fires reported, burn bans advertised, critical conditions expected
Red	Rare – Once every 1-5 Years Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> A Category 1 hurricane will be moving towards the NW Gulf in the next few days Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail Large fires ongoing throughout the area with critical fire weather conditions expected to continue
Purple	Very Rare – Once Every 5-10 Years Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms

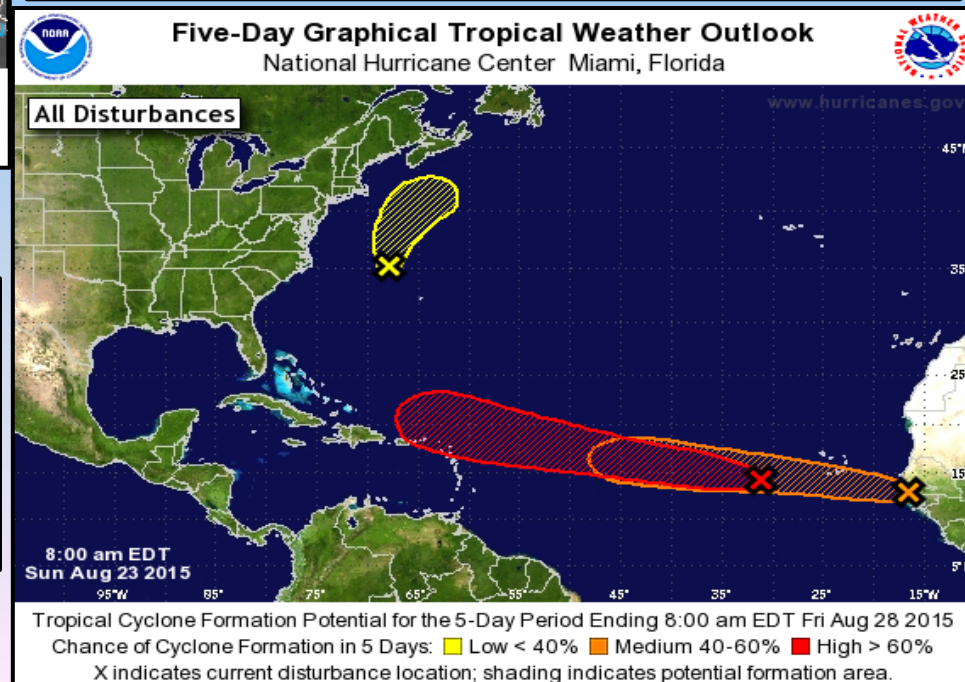
Atlantic/Gulf Tropical Weather Outlook



Tropical Storm Danny is located about 300 miles east of the Leeward Islands and moving west at 15 mph. More information regarding Danny is on the next slide.

2. Disorganized showers and thunderstorms are associated with a low pressure area located about 500 miles west of the Cape Verde Islands. Environmental conditions are expected to be conducive for development, and a tropical depression is likely to form by mid-week while the wave moves quickly westward at around 20 mph. By late this week, atmospheric conditions could become less favorable for tropical cyclone formation.

- Formation chance through 48 hours...low...50 percent
- Formation chance through 5 days...medium...70 percent



3. Another tropical wave is expected to move off of the west coast of Africa later today. Environmental conditions could be conducive for some development of this system this week while this disturbance moves westward over the eastern tropical Atlantic Ocean at 15 to 20 mph.

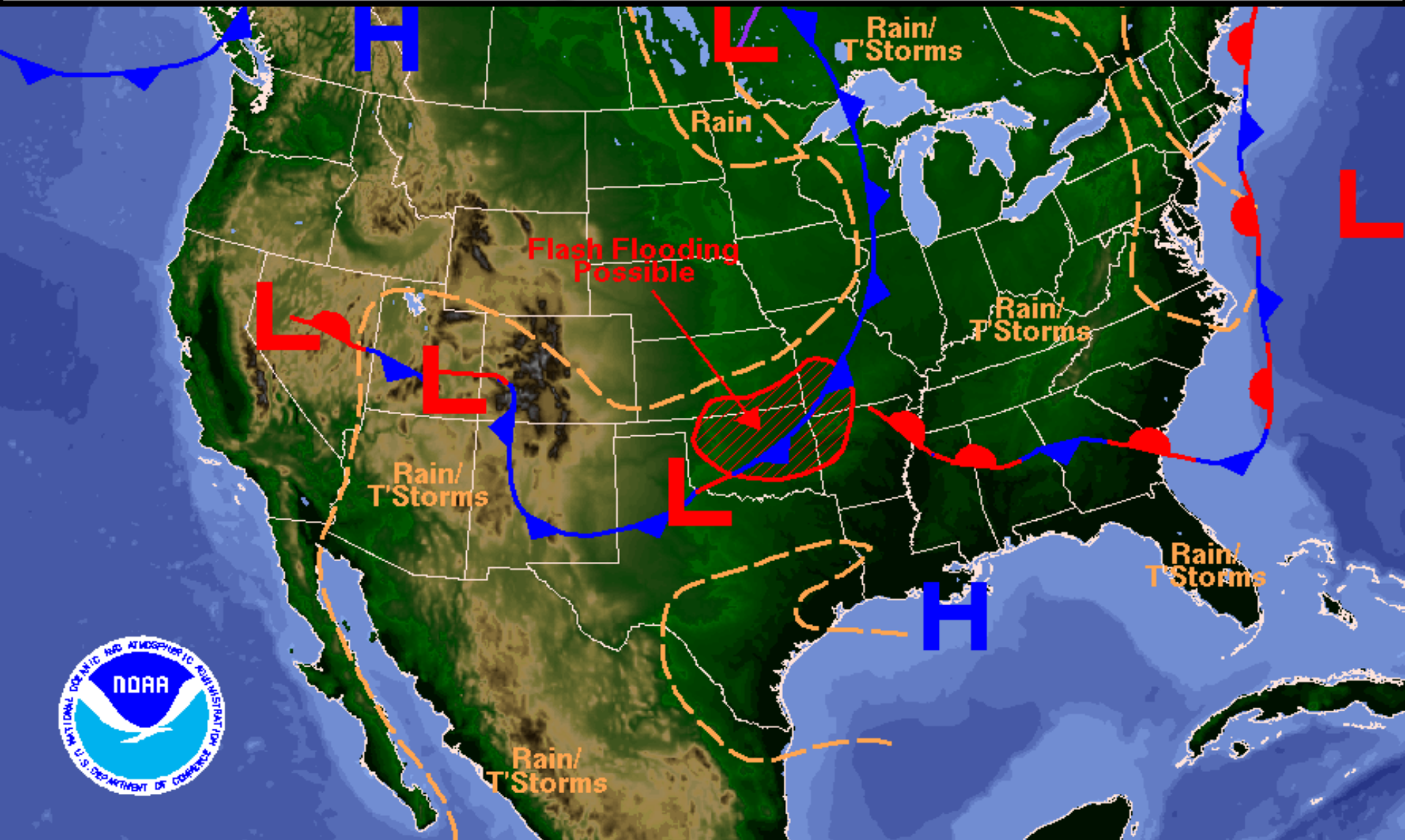
- Formation chance through 48 hours...low...near 10 percent
- Formation chance through 5 days...low...40 percent

Tropical Storm Danny

- Danny has weakened to a tropical storm
- Further weakening is expected over the next five days and is expected to be a depression by Monday
- No impacts expected to FEMA 6



Today's Weather



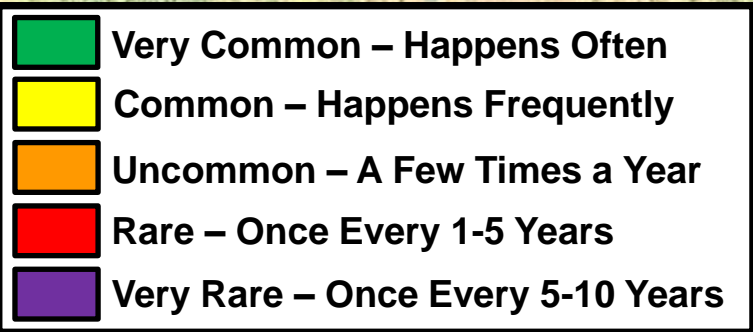
Weather Forecast for Sun, Aug 23, 2015, issued 4:41 AM EDT
DOC/NOAA/NWS/NCEP/Weather Prediction Center
Prepared by Fanning based on WPC, SPC and NHC forecasts

Day 1 Weather Hazards

Valid: 0800 Sun - 0800 Mon



Locally heavy rainfall may produce flash flooding



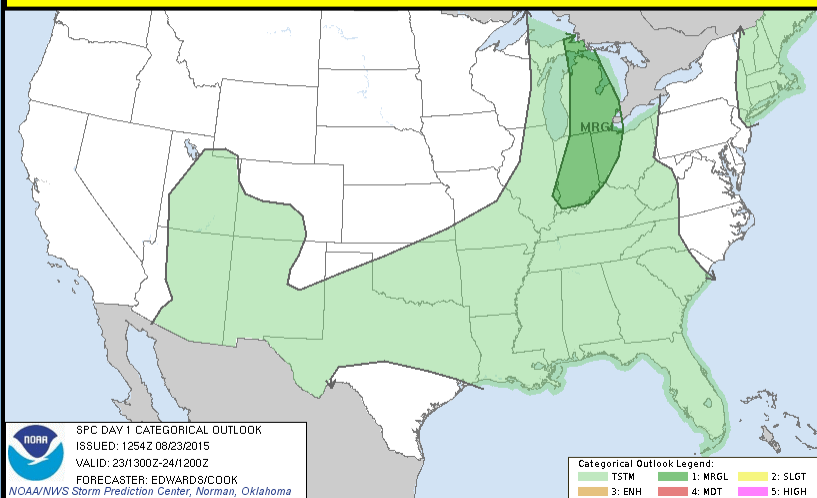
*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.



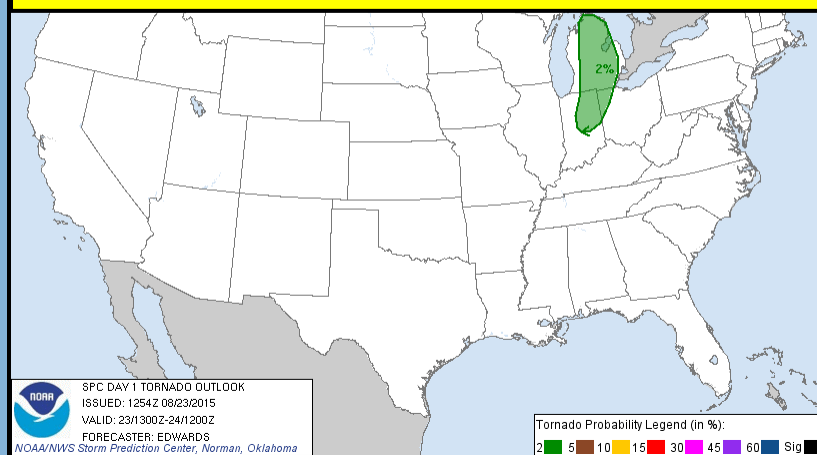
Sunday, August 23, 2015

Severe Thunderstorm Potential

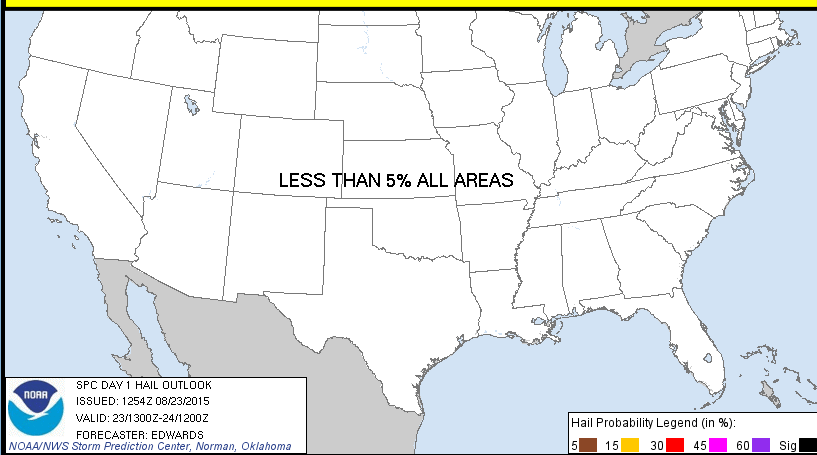
Overall Threat Potential



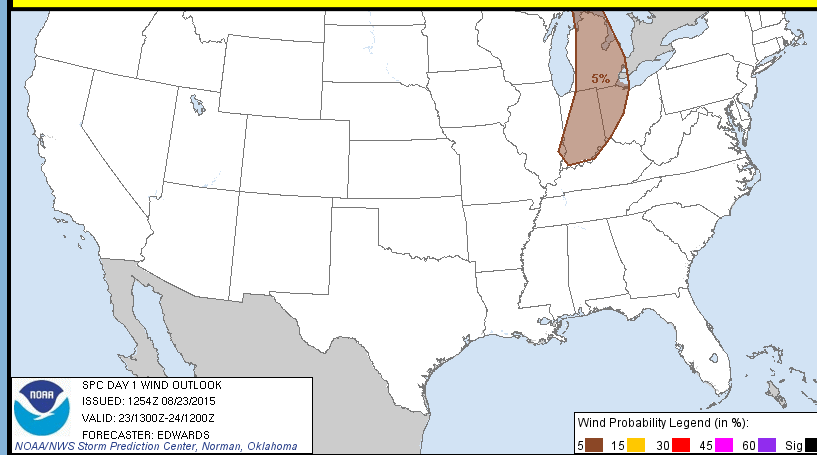
Probability of Tornado within 25 miles of a point



Probability of Damaging Hail within 25 miles of a point



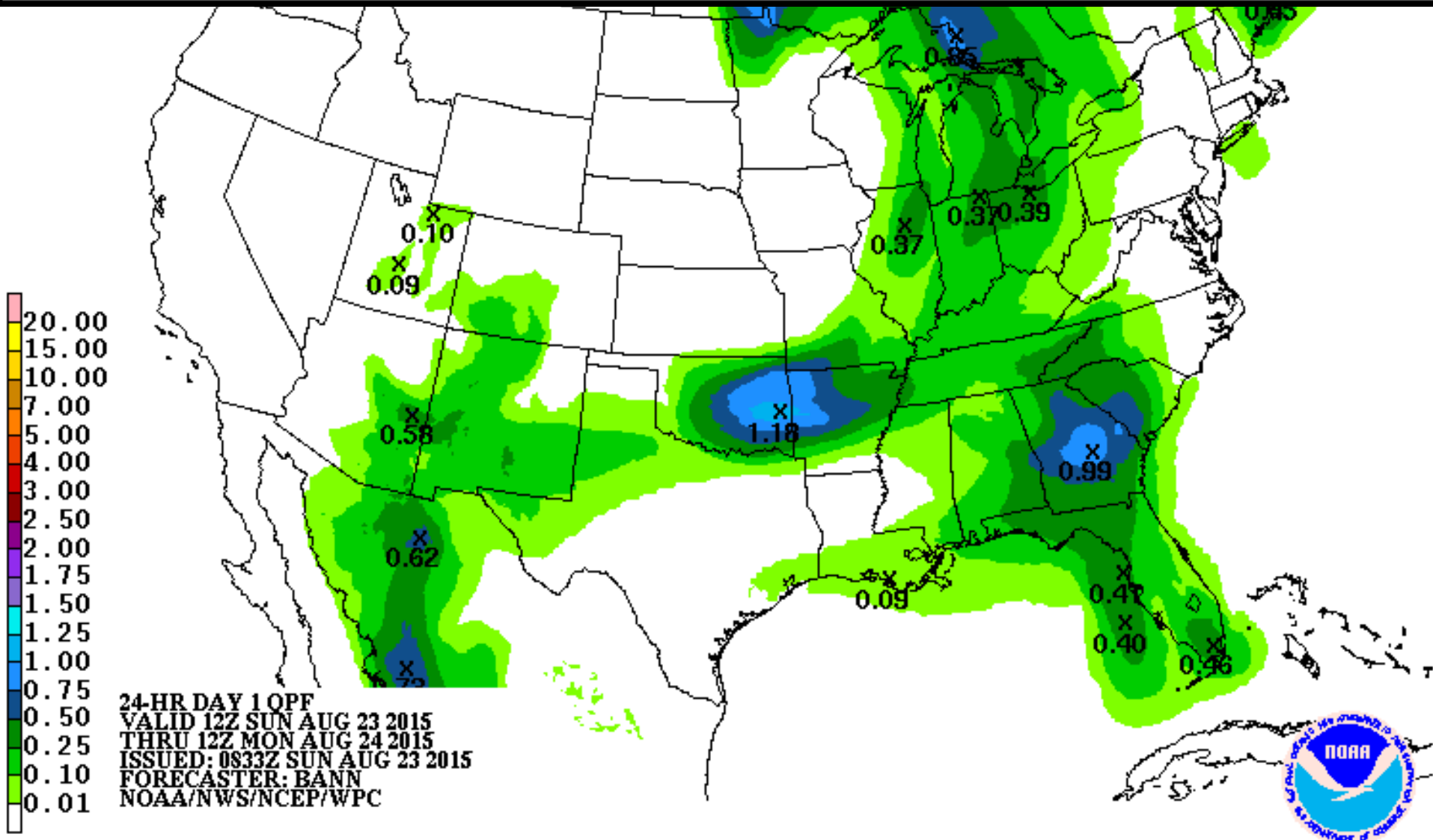
Probability of Damaging Winds within 25 miles of a point



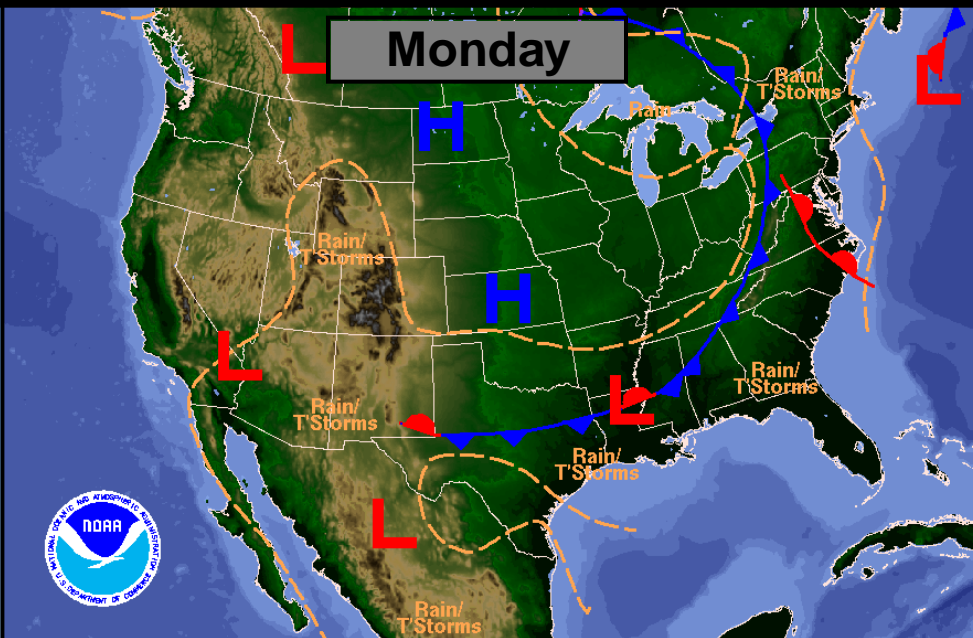
Building a Weather-Ready Nation

Today's Precipitation

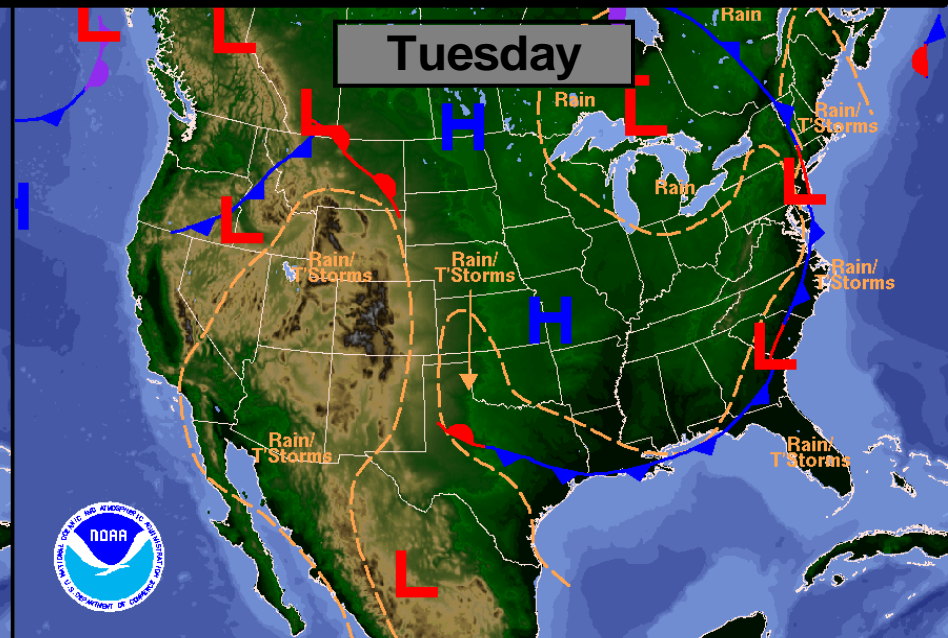
Sun AM - Mon AM



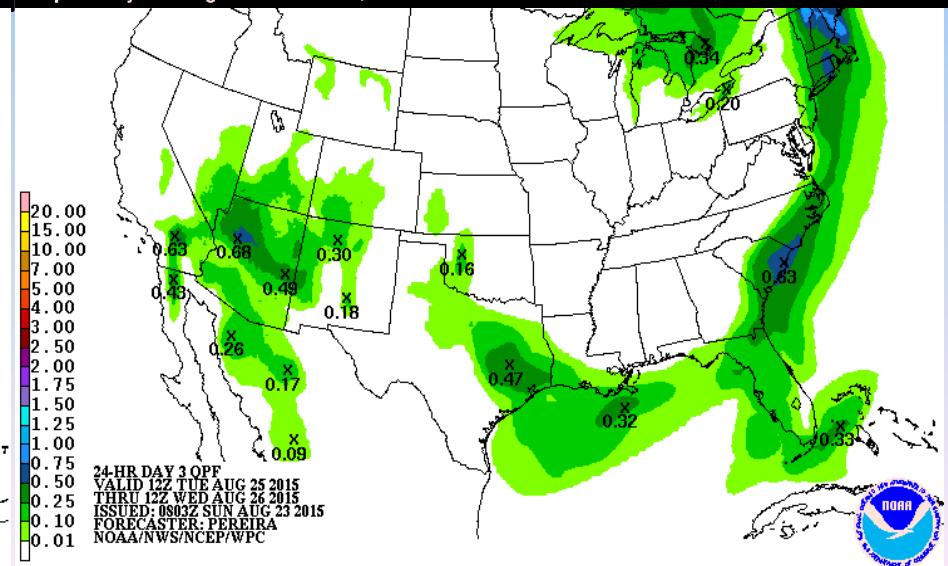
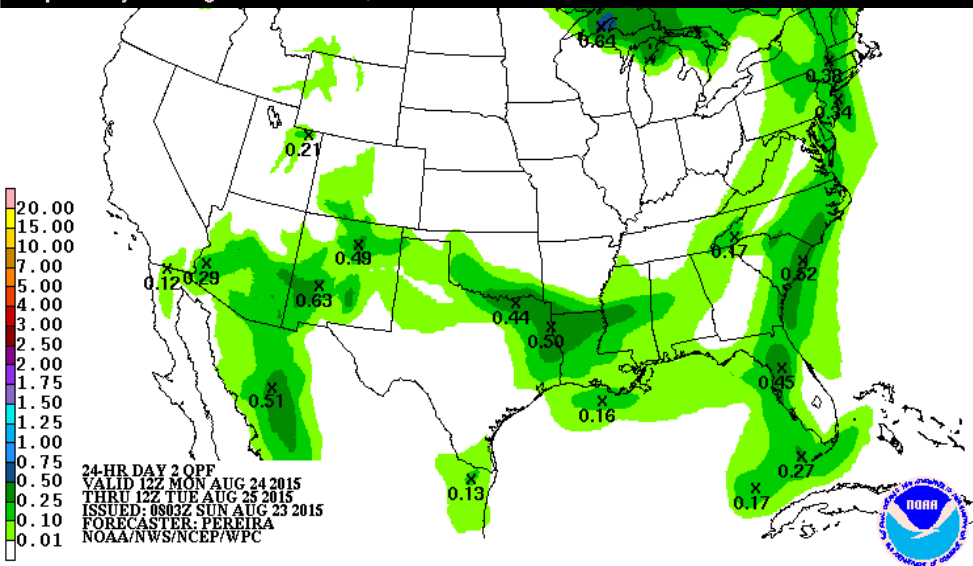
Day 2-3 Weather Maps/Precipitation



Weather Forecast for Mon, Aug 24, 2015, issued 4:44 AM EDT Sun, Aug 23, 2015
 DOC/NOAA/NWS/NCEP/Weather Prediction Center
 Prepared by Fanning based on WPC, SPC and NHC forecasts



Weather Forecast for Tue, Aug 25, 2015, issued 4:47 AM EDT Sun, Aug 23, 2015
 DOC/NOAA/NWS/NCEP/Weather Prediction Center
 Prepared by Fanning based on WPC, SPC and NHC forecasts



Day 2-3 Weather Hazards

Valid: 0800 Mon - 0800 Wed



**No Significant
Weather Impacts
Expected**



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Day 4-5 Weather Hazards

Valid: 0800 Wed - 0800 Fri



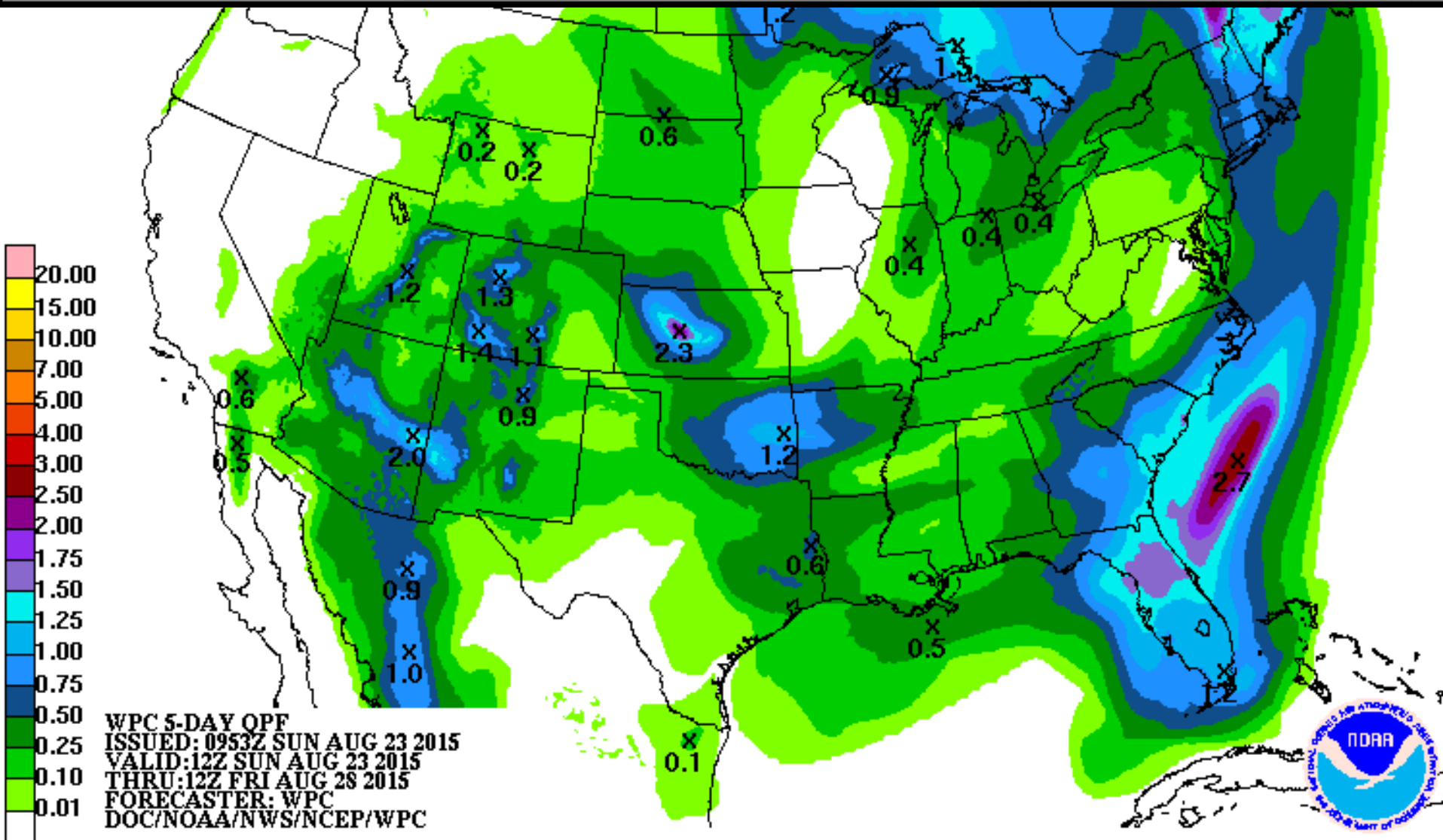
**No Significant
Weather Impacts
Expected**



*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.

5-Day Precipitation

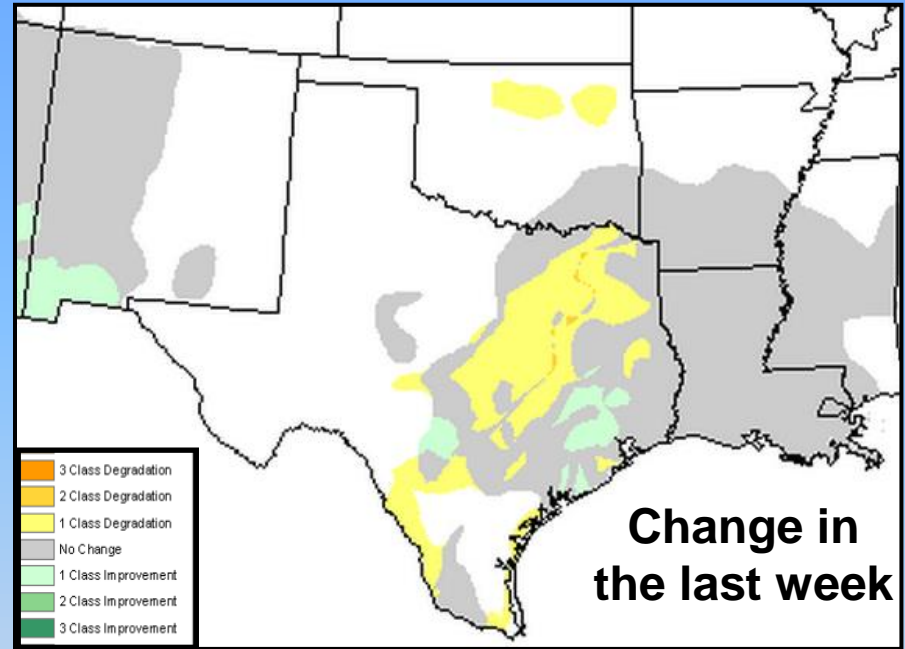
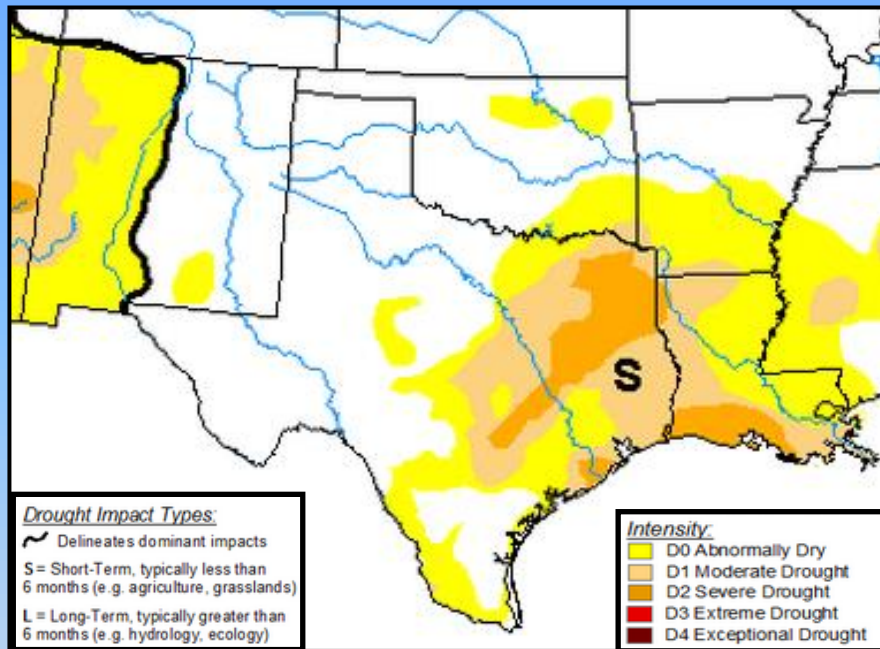
Sun AM - Fri AM





Drought Monitor Released Aug 20, 2015

Data valid as of 7am CDT, Tuesday Aug 18, 2015



Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)

State	Current	Last Week	3 Months Ago	1 Year Ago
Oklahoma	0.00%	0.00%	0.00%	15.35%
Texas	0.00%	0.00%	0.00%	15.16%
New Mexico	0.00%	0.00%	0.00%	7.39%
Arkansas	0.00%	0.00%	0.00%	0.00%
Louisiana	0.00%	0.00%	0.00%	0.00%

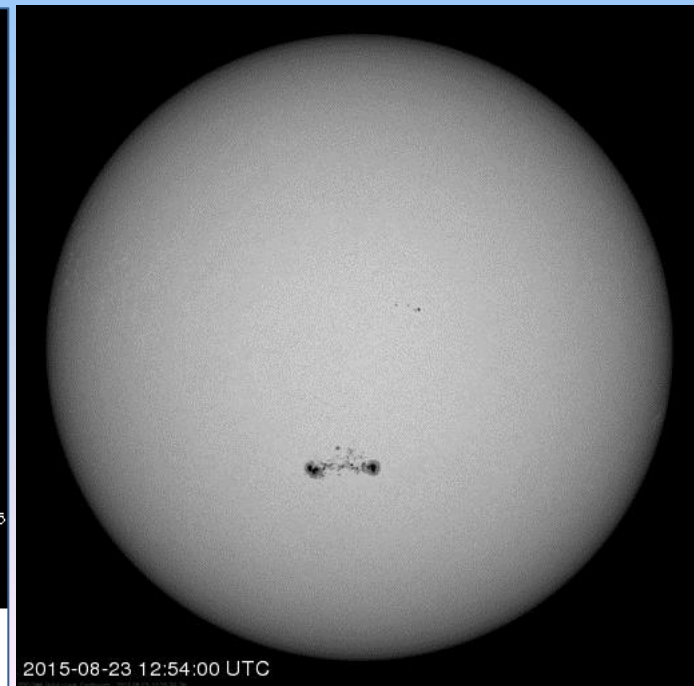
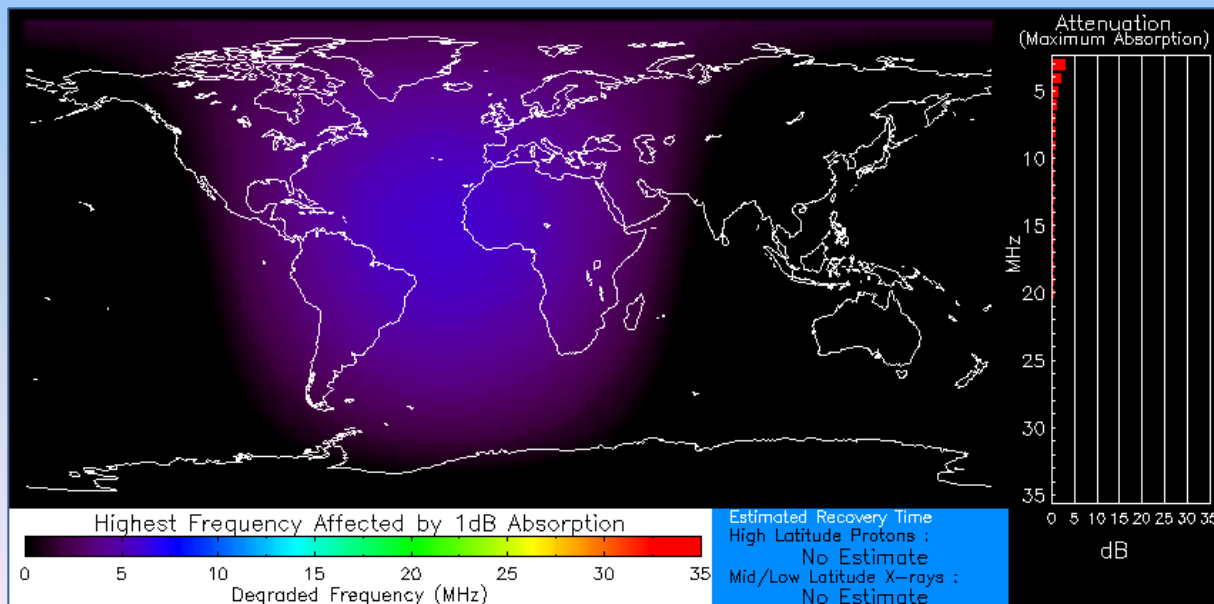
Space Weather 3-Day Forecast



	Sunday	Monday	Tuesday
Geomagnetic Storms	Minor Storm (G1) (Max Kp = 5)	Minor Storm (G1) (Max Kp = 5)	Active (Max Kp = 4)
Solar Radiation Storm (S1-S5)	1%	5%	10%
Radio Blackout (R1-R2)	55%	55%	55%
Radio Blackout (R3-R5)	10%	10%	10%

[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)



2015-08-23 12:54:00 UTC

Normal X-ray Background
 Product Valid At : 2015-08-23 13:32 UTC

Normal Proton Background
 NOAA/SWPC Boulder, CO USA

Information provided by:



National Weather Service
Southern Region Headquarters
Regional Operations Center
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Web: <http://www.srh.noaa.gov>

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